



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/784,979

02/25/2004

David Yach

P1645US00

8976

63617 7590 05/27/2009

PERRY + CURRIER INC.
(FOR RIM)
1300 YONGE STREET
SUITE 500
TORONTO, ON M4T-1X3
CANADA

EXAMINER

LIN, SHEW FEN

ART UNIT

PAPER NUMBER

2166

MAIL DATE

DELIVERY MODE

05/27/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/784,979	Applicant(s) YACH ET AL.	
	Examiner SHEW-FEN LIN	Art Unit 2166	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 March 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3,5-7, 10 and 20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3,5-7, 10, 20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>4/1/09, 5/5/09</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

- a. This action is taken in response to Request for Continued Examination filed on 3/11/2009.
- b. Claims 1-3, 5-7, 10, and 20 are pending in this Office Action. Claims 1 and 20 are independent claims.

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on March 11, 2009 has been entered.

Response to Amendments

In view of the amendment to claims 1, and 20, the Examiner withdraws the claim objection stated in the previous office action.

Terminal Disclaimer

The terminal disclaimer filed on 2/12/2009 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of co-pending applications 12/133,612 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3, 5-7, 10, and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Parker et al. (US Patent Application Publication 2002/0116541, hereinafter Parker) in view of Heinonen et al. (US Patent 6,633,758, hereinafter Heinonen) and further in view of Markki et al. (US Patent Application Publication 2004/0127203, hereinafter Markki).

As to claim 1, Parker discloses an electronic device (Figure 1) comprising:

at least one output device for emitting a plurality of different signals (Figure 1, paragraph [0023], lines 4-9, sound, LED light, vibration);

a microcomputer (Figure 2, paragraph [0026], computer) for processing a plurality of calendar appointments within a calendar application (paragraph [0006], appointment reminders, paragraph [0020], lines 16-20, calendar events, paragraph [0051], calendar-type application capable of storing appointments and other calendar-related item); said microcomputer further configured for executing a plurality of applications (paragraph [0031], applications, paragraph [0002],[0057], appointment reminders, reception of email, notified of incoming telephone calls

Art Unit: 2166

and text messages, note: appointment reminders, reception of email, call,... are treated and handled by different applications, see also Heinonen, column 6, lines 58-60, the user may configure different applications with the user's own parameter values to better fit the user's needs in each operational mode); said microcomputer configured to maintain a plurality of profiles (Fig. 1, 114, paragraph [0024], notification modes/profiles) ; each of said calendar appointment configured to have a different profile associated therewith (paragraph [0010], [0020], [0053], customized notification mode in response to events stored in an associated calendar application); each of said profiles associated with all of said applications (paragraph [0056], [0057], profiles maintain a listing of the various type of notification events, e.g., key presses, reminders, wireless communication signals, phone calls, text messages, etc, it is known that reminders, phone calls, text messages are associated with different applications); each of said applications within each of said profiles having a plurality of notification behaviours (Figures 5-7, 9, paragraph [0003], audio, LED, messages, vibration); each of said notification behaviours having an identical set of parameters for each of said applications (Figure 4, Table 1, paragraph [0035], parameters such as Volume, Sound Files, Notification Type); each of said notifications behaviours uniquely configurable for each said profile (Figures 4-7, [0020], each profile may be configured to provide different types of notifications for a plurality of different types of notification-type events);

said microcomputer configured to maintain a profile settings application (Figs. 5-7, settings); said profile settings application configured to receive user input for setting said notification behaviours for each of said applications for each said profile (Figures 3-7, paragraph [0020], [0033], [0034], each profile may be configured to provide different types of notifications

Art Unit: 2166

for a plurality of different types of notification-type events, Application program 302 is executed to create or edit a notification profile);

said microcomputer configured to derive one of said notification behaviours when one of said applications executes during one of said plurality of calendar appointments; said notification behaviour derived from said profile (Figure 9, paragraph [0034]-[0035], Once the user chooses a particular notification mode, the application program informs the operating system 304 of the notification mode. Later, once a notification event occurs, the operating system 304 uses the chosen notification mode to initiate user notifications);

said microcomputer configured to cause said output device to emit one of said signals corresponding to said notification behaviour derived from said profile (paragraph [0003], [0009], [0020], [0034], Once in a particular mode the device provides notifications according to that mode).

Parker discloses that profiles may be created that provide for certain notification types, such as sound, for only specific notification events, such as critical reminders (paragraph [0036]), but do not mention explicitly that each of said notification behaviours being uniquely configurable for each of said applications. However, it is known that message and reminder are handled by different applications.

Furthermore, Heinonen discloses each of said notification behaviours being uniquely configurable for each of said applications (Figure 2, items 8, 10, column 2, lines 14-17, setting application specific operational mode parameters in operational modes of communication devices, column 4, lines 41-50, column 5, lines 11-22, each application may have parameter settings that are customized for the application, column 6, lines 58 to column 7, line 12, user's

Art Unit: 2166

own parameter values to better fit the user's needs in each operational mode. One useful example is sound, warning or alert tones).

It would have been obvious to a person of ordinary skill in the art at the time of invention was made to modify Parker's disclosure to include application specific parameters as taught by Heinonen for the purpose of providing different operation parameters (like ring tone, ring volume, silence setting) to pass commands to the application according to parameters (column 2, lines 51-54, Heinonen). The skilled artisan would have been motivated to improve the invention of Parker per the above such that notification behaviour can be further customized based on application specific parameters (column 6, lines 21-42, Heinonen).

Park discloses "Alternatively, the user may set a predetermined profile for all appointments of a particular type, e.g., busy, out of office, tentative, free, etc. Therefore, the user does not have to manually set a profile for each appointment individually, but can set a profile based on the type of appointment in a global manner. In such a case, the device automatically enters profile switching mode once an appointment of a predetermined type begins" (Figures 4-8, paragraph [0036], [0054]), i.e. based on the type of appointment, such as meeting, out of office, profile will be set based on the type of appointment, It is obvious that when different types of appointment are associated with predefined profiles, a mapping and/or matching is required to determine a predetermined profile for all appointments of a particular type. However, Parker does not explicitly disclose said profile settings application including a profile string matcher; said profile string matcher configured to comprise a string of text and associate said string of text with one of said profiles; wherein at least one of said calendar appointments is configured to

Art Unit: 2166

have a profile associated therewith based on a match between a description of said at least one calendar appointment and said strings of text within said profile string matcher.

Markki discloses said profile settings application including a profile string matcher (Fig. 1, 112, context profile management module); said profile string matcher configured to comprise a string of text and associate said string of text with one of said profiles (Fig. 3, 302-306, convert application data into profile data); wherein at least one of said calendar appointments is configured to have a profile associated therewith based on a match between a description of said at least one calendar appointment and said strings of text within said profile string matcher (Fig. 4, Para. 0017-0025, context profile management module 112 may be used to convert a variety of different formats and descriptions into profile data formatted in accordance with the profile data syntax).

It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teachings of the cited references because Markki's teaching would have allowed Parker to allow mobile terminals that contain a variety of different applications to automatically adjust how the mobile terminals will alert users of incoming calls based on application data stored in the mobile terminal (Para. 0007, Markki).

As to claim 2, Parker discloses the electronic device of claim 1 wherein said device is selected from the group consisting of a wireless personal digital assistant, a personal computer, a cell telephone, and a smart telephone (small portable computing device, laptop, notebook, paragraph [0001], [0002],[0025]).

Art Unit: 2166

As to claim 3, Parker discloses the electronic device of claim 1 wherein said signals are selected from the group consisting of audible (Figure 5, item 108, paragraph [0020], lines 6-7), mechanical (paragraph [0023], lines 7-8) and visual signals (Figure 5, item 110, paragraph [0020], lines 6-7).

As to claim 5, Parker discloses the electronic device of claim 1 wherein said applications is a receipt of an electronic message (email, paragraph [0002], lines 14-18, paragraph [0036]) and said signal identifies said receipt (paragraph [0036]).

As to claim 6, Parker discloses the electronic device of claim 1 wherein said applications is a daily alarm and said signal identifies said alarm (critical reminder, paragraph [0036]).

As to claim 7, Parker discloses the electronic device of claim 1 wherein said electronic device includes functionality of a telephone (paragraph [0057]) and one of said plurality of applications is a receipt of a telephone call (paragraph [0036]).

As to claim 10, Parker discloses the method of claim 1 wherein said output devices include a flashing LED output device for emitting a visual signal (alert by light, Figure 1, item 110, Figure 7, item 706) and a speaker for emitting an audible signal (alert by sound, Figure 1, item 108).

As to claim 20, has the similar subject matter as of claim 1 and as such rejected under the same rationale. Furthermore, Parker discloses a computer-readable storage medium containing a set of instructions (paragraph [0011], [0028], [0032])

Response to Remarks

Applicant's amendments and remarks have been fully and carefully considered but are moot in view of new ground of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shew-Fen Lin whose telephone number is 571-272-2672. The examiner can normally be reached on 8:30AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain Alam can be reached on 571-272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

Art Unit: 2166

like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Shew-Fen Lin /S. L./
Examiner, Art Unit 2166
May 15, 2009

/Hosain T Alam/

Supervisory Patent Examiner, Art Unit 2166